

FIG. 1

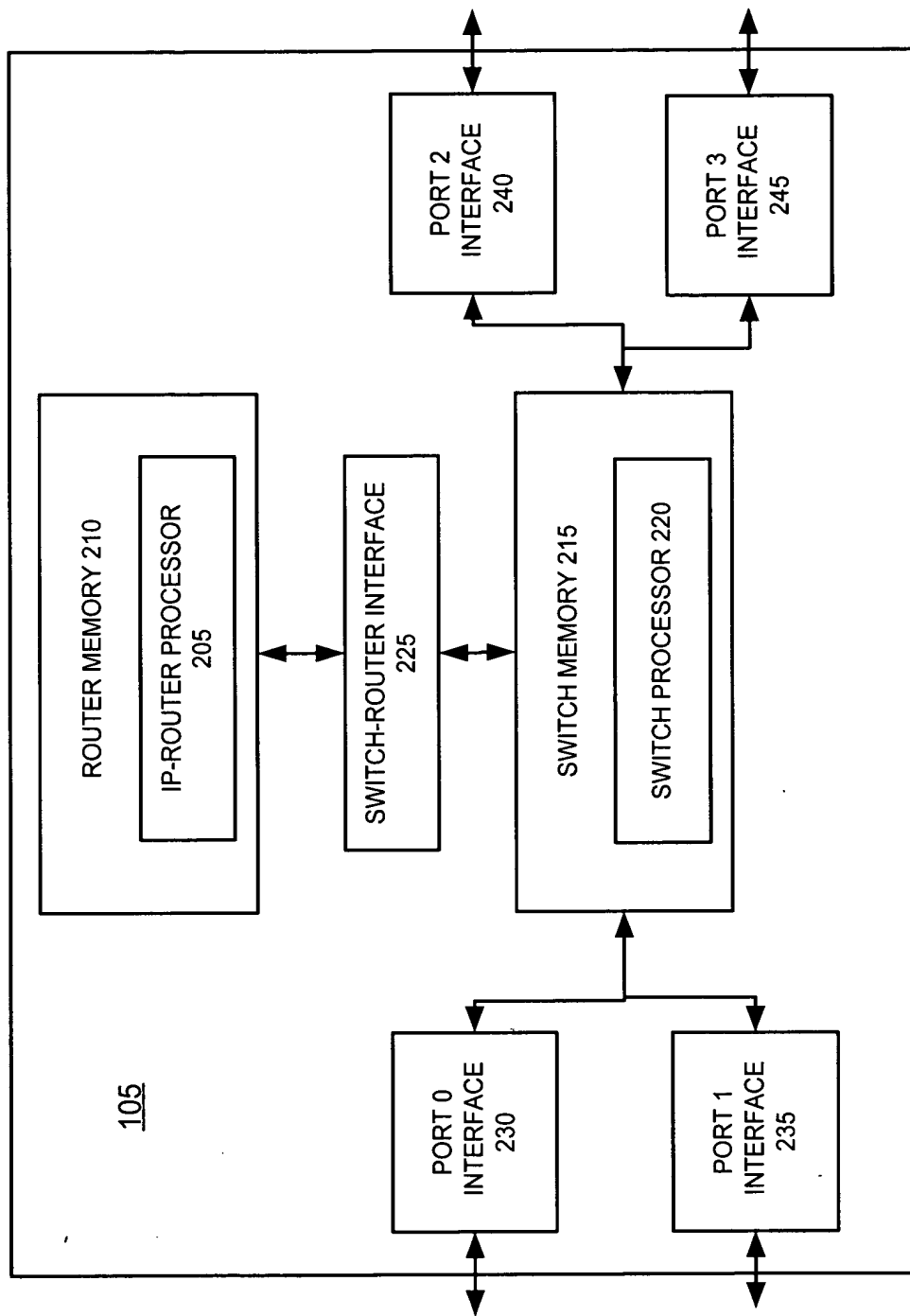


FIG. 2

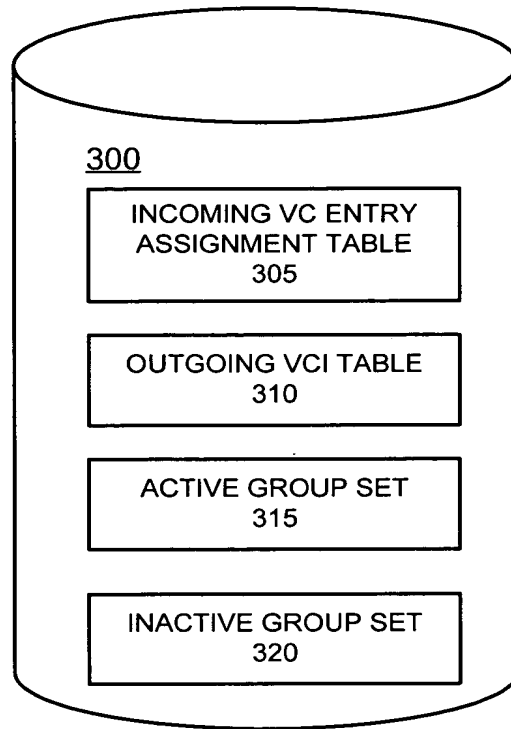


FIG. 3

SWITCH VC TABLE 400

VC ENTRY 405	ROUTER OUTPUT PORT (PN_{OUT}) 410	VCI_{out} 415	
1	IP-ROUTER	IP #	default
2	Port 2	48	VC link
3	Port 3	76	VC link
4	UNASSIGNED	0	not assigned
5	Port 3	113	VC link
6	IP-ROUTER	IP #	inactive dest

FIG. 4

305

INCOMING VC ENTRY ASSIGNMENT TABLE

DESTINATION ROUTER 505	DESTINATION STATUS 510	INPUT PORT (VC TABLE) # 515	ASSIGNED VC ENTRY 520	NEGOTIATION STATUS 525
R1	ACTIVE	0	68	ASSIGNMENT PROPOSED
R1	ACTIVE	1	27	READY
R1	OPEN PORT	2	0	NONE
R1	ACTIVE	3	104	READY
R2	INACTIVE	0	33	DROP PROPOSED
R2	INACTIVE	1	17	READY

FIG. 5

FIG. 6

ENTRY	DESTINATION	DESTINATION	OUTPUT PORT	NEIGHBOR'S	NEGOTIATION
	ROUTER 605	STATUS 610		VCI 620	STATUS 625
1	ANY	NOT ACTIVE	0	1	DEFAULT
2	ANY	NOT ACTIVE	1	1	DEFAULT
3	ANY	NOT ACTIVE	2	1	DEFAULT
4	ANY	NOT ACTIVE	3	1	DEFAULT
5	R1	ACTIVE	0	0	ASSIGNMENT REQUESTED
6	R1	ACTIVE	1	112	READY
7	R1	OPEN PORT	2	0	NONE
8	R1	ACTIVE	3	74	READY
9	R2	INACTIVE	0	89	ACK'ING DROP REQUEST
10	R2	INACTIVE	1	120	READY
11	R2	OPEN PORT	2	0	NONE
12	R2	INACTIVE	3	0	DROPPED
13	R4	ACTIVE	0	15	READY
14	R4	ACTIVE	1	77	READY

700

IP FORWARDING TABLE

DESTINATION ROUTER 705	OUTGOING VCI TABLE ENTRY 710	TIME STAMP 715
R1	6	6:22:35
R3	14	6:22:35
R4	17	4:32:11
R8	22	6:22:35
R10	28	1:18:56

FIG. 7

800

FLOOD TAG PACKET

ROUTER # 805		ROUTER_NUM	
FLOOD TAG SEQ. # 810		SEQ_NUM	
ACTIVE LINKS 815	TO R1	TO R4	
METRICS 820	M ₁	M ₂	
LINK DATA RATE 825	X bps	Y bps	
TAG-ACK SEQ. #S 830	NEIGHBOR-TAG SEQ_NUM # 835		
	FLOOD-TAG SEQ_NUM # 840		

FIG. 8

900
NEIGHBOR-TAG PACKET

ROUTER # 905 ROUTER_NUM		
NEIGHBOR TAG SEQ. # SEQ_NUM 910		
LINKS 915	TO R1	TO R2
VCI's 920	68	33
DESTINATION STATUS 925	ACTIVE	IN- ACTIVE
NEGOTIATION STATUS 930	ASSIGNMENT PROPOSED	DROP PROPOSED
TAG-ACK SEQ. #S 935	NEIGHBOR-TAG SEQ_NUM # 940	
	FLOOD-TAG SEQ_NUM # 945	

FIG. 9

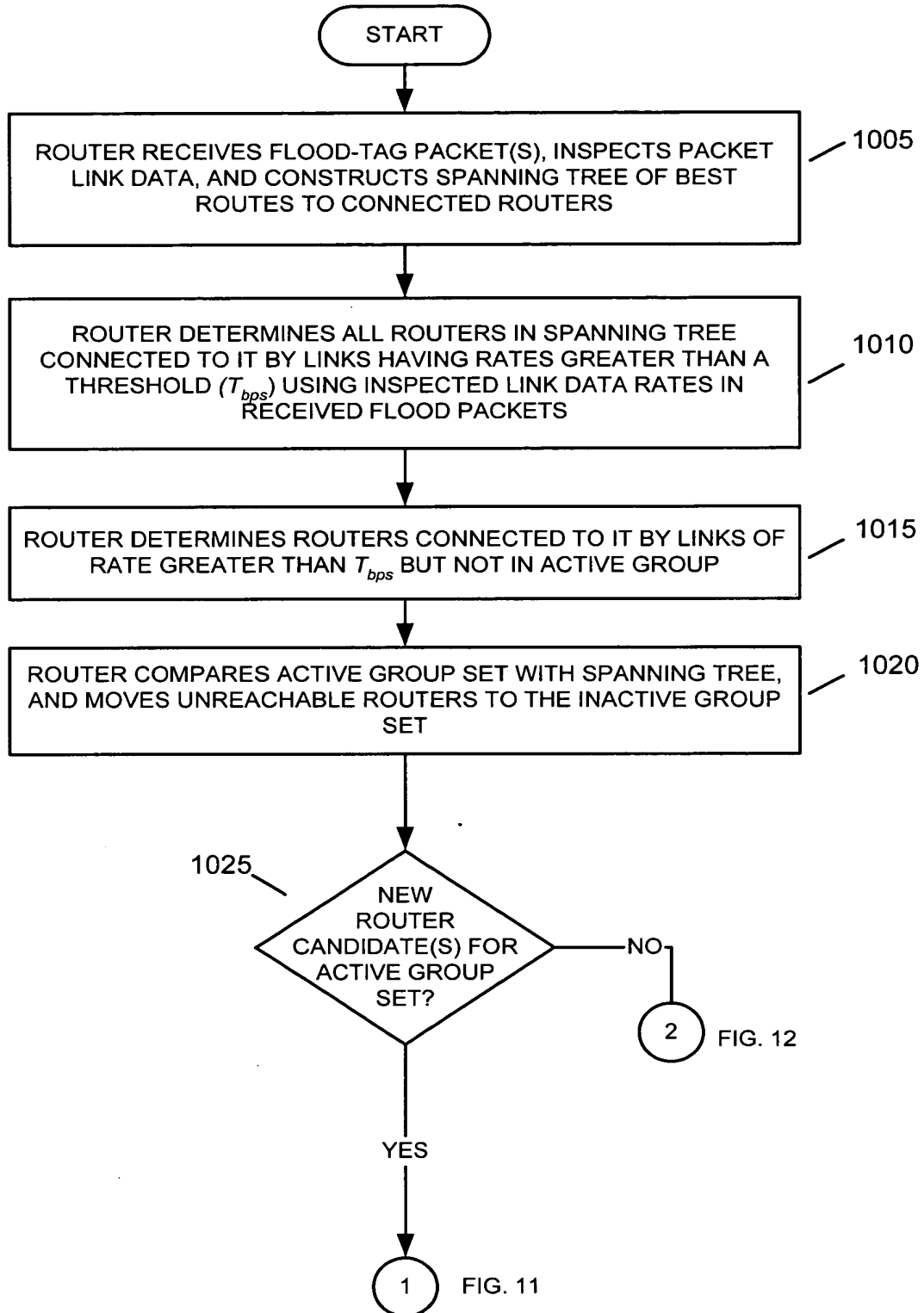


FIG. 10

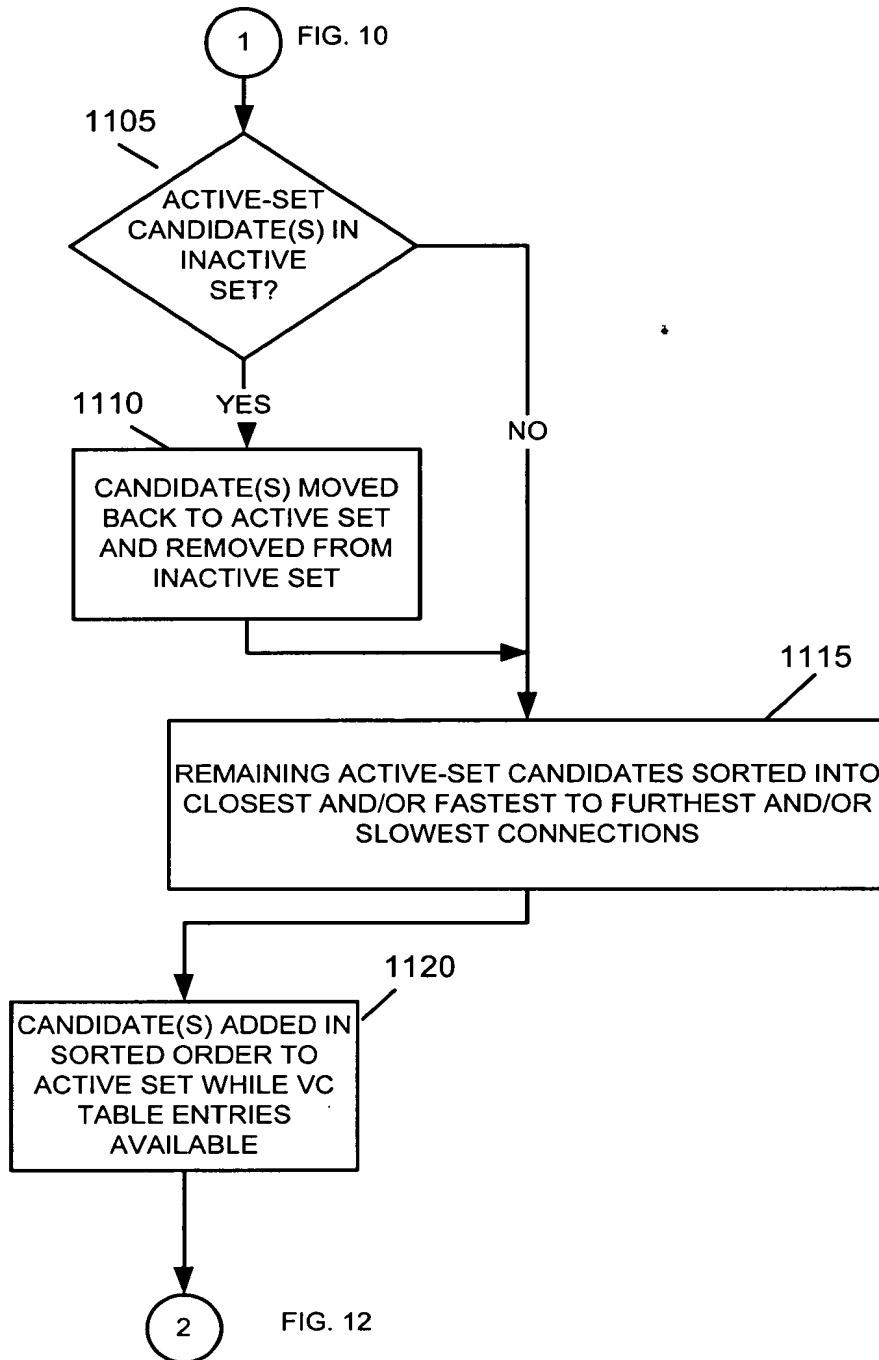


FIG. 11

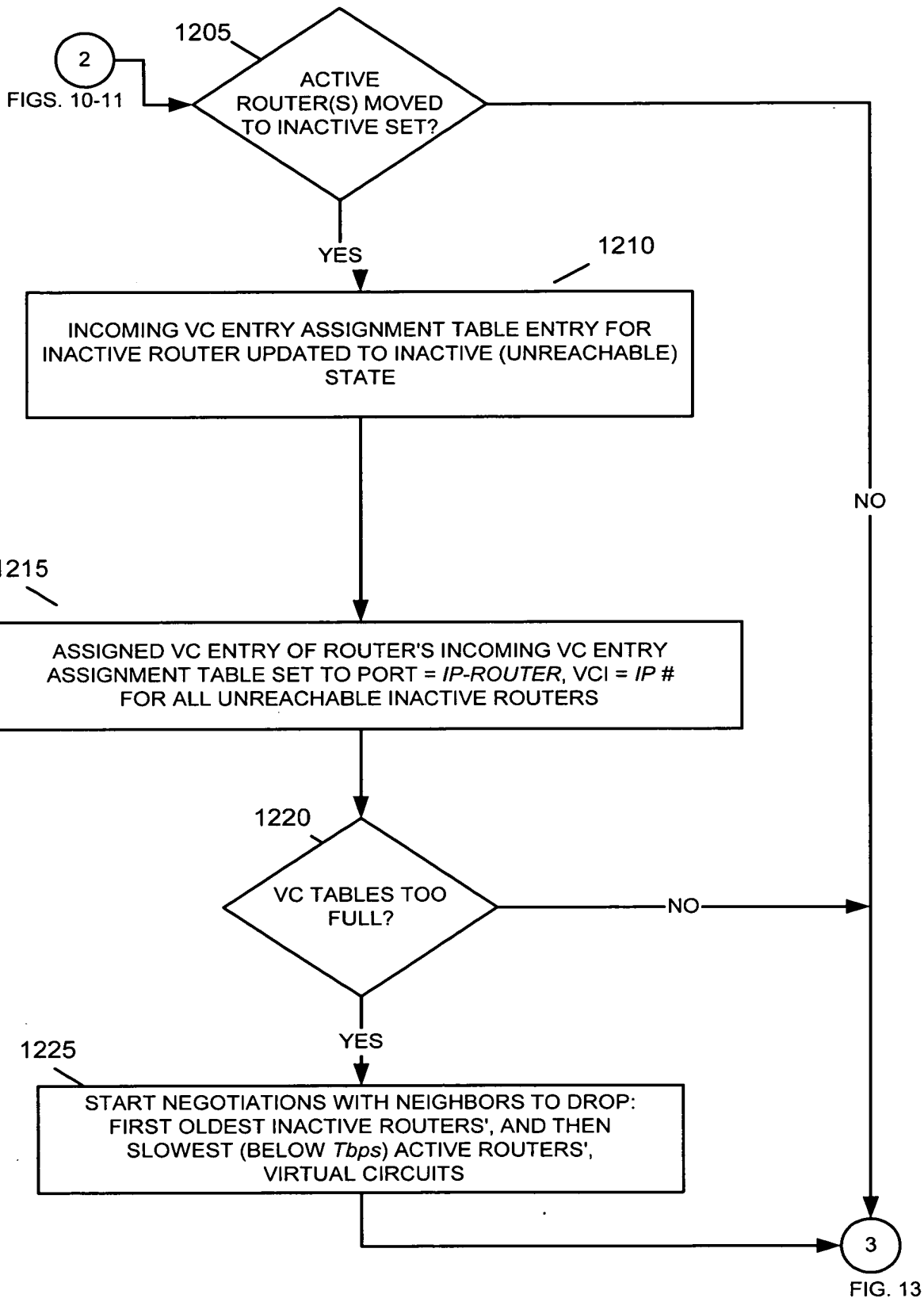


FIG. 12

3

FIGS. 11-12

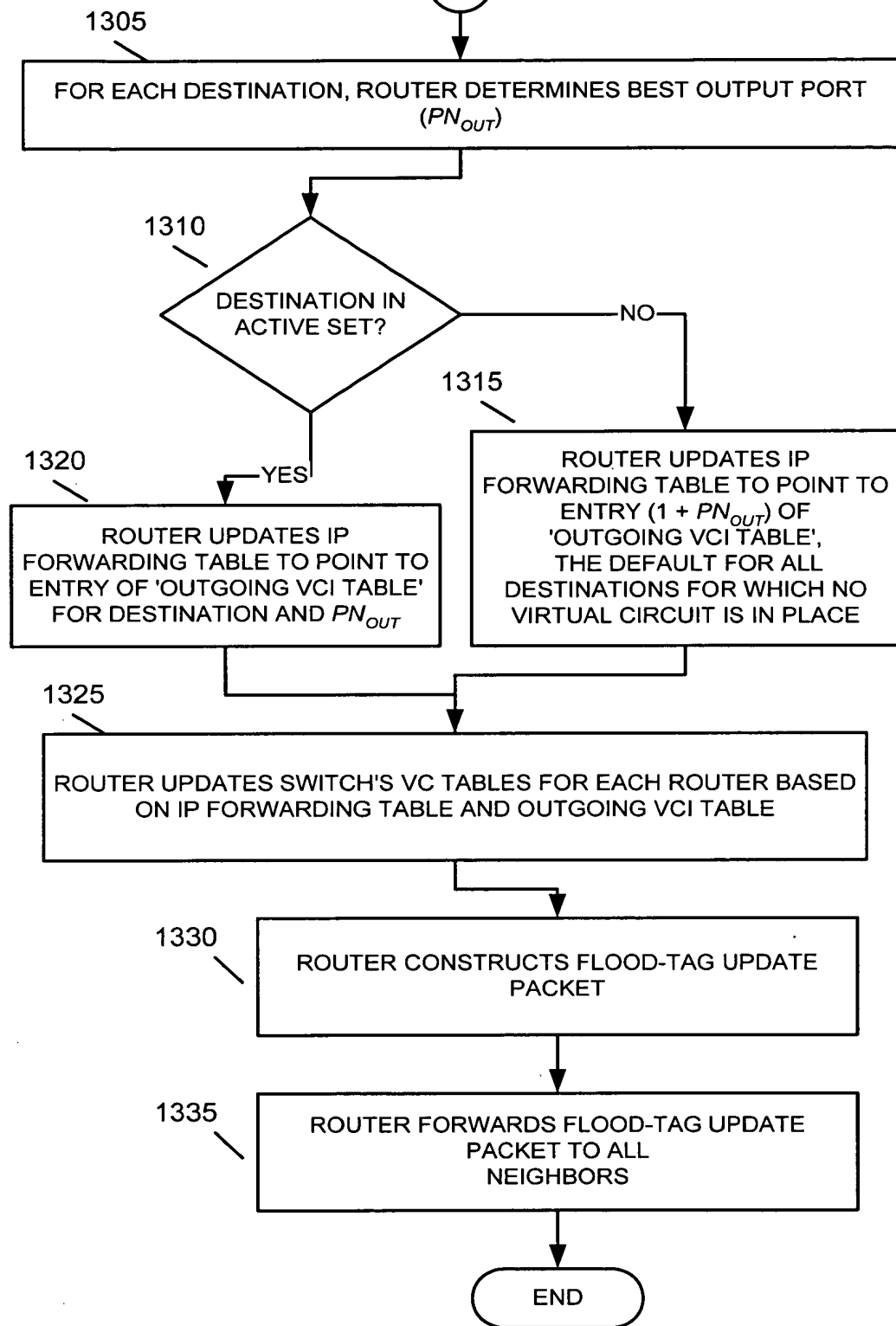


FIG. 13

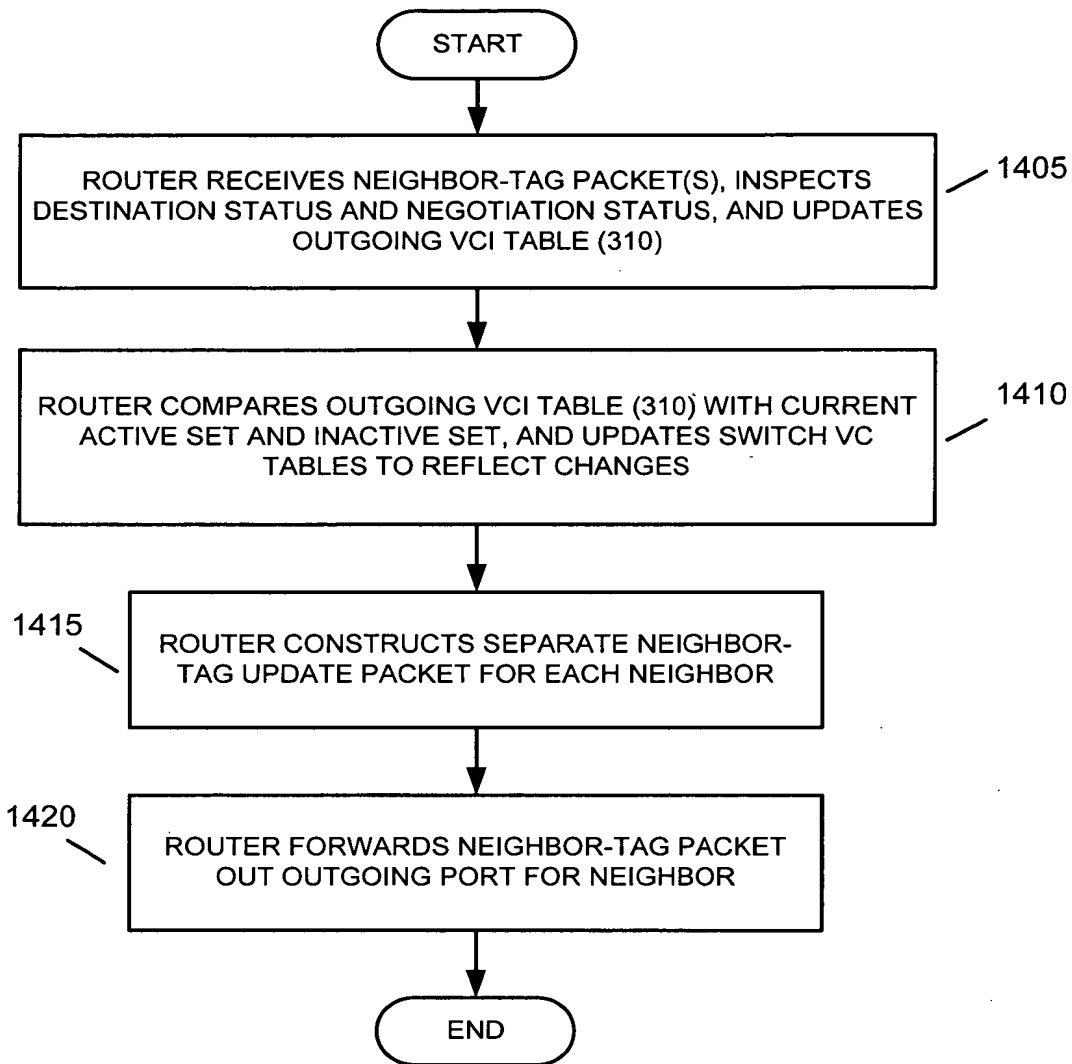


FIG. 14

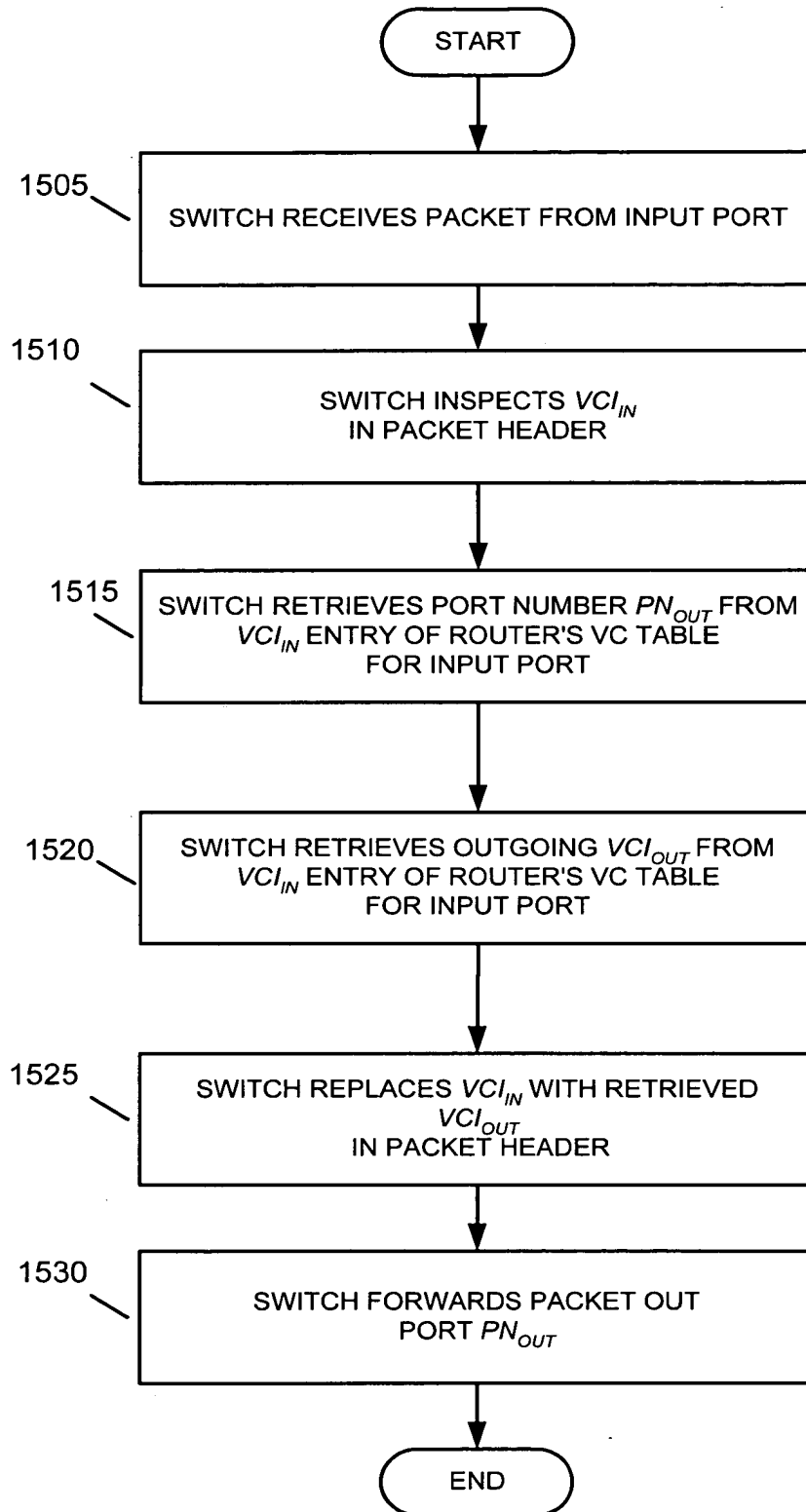


FIG. 15